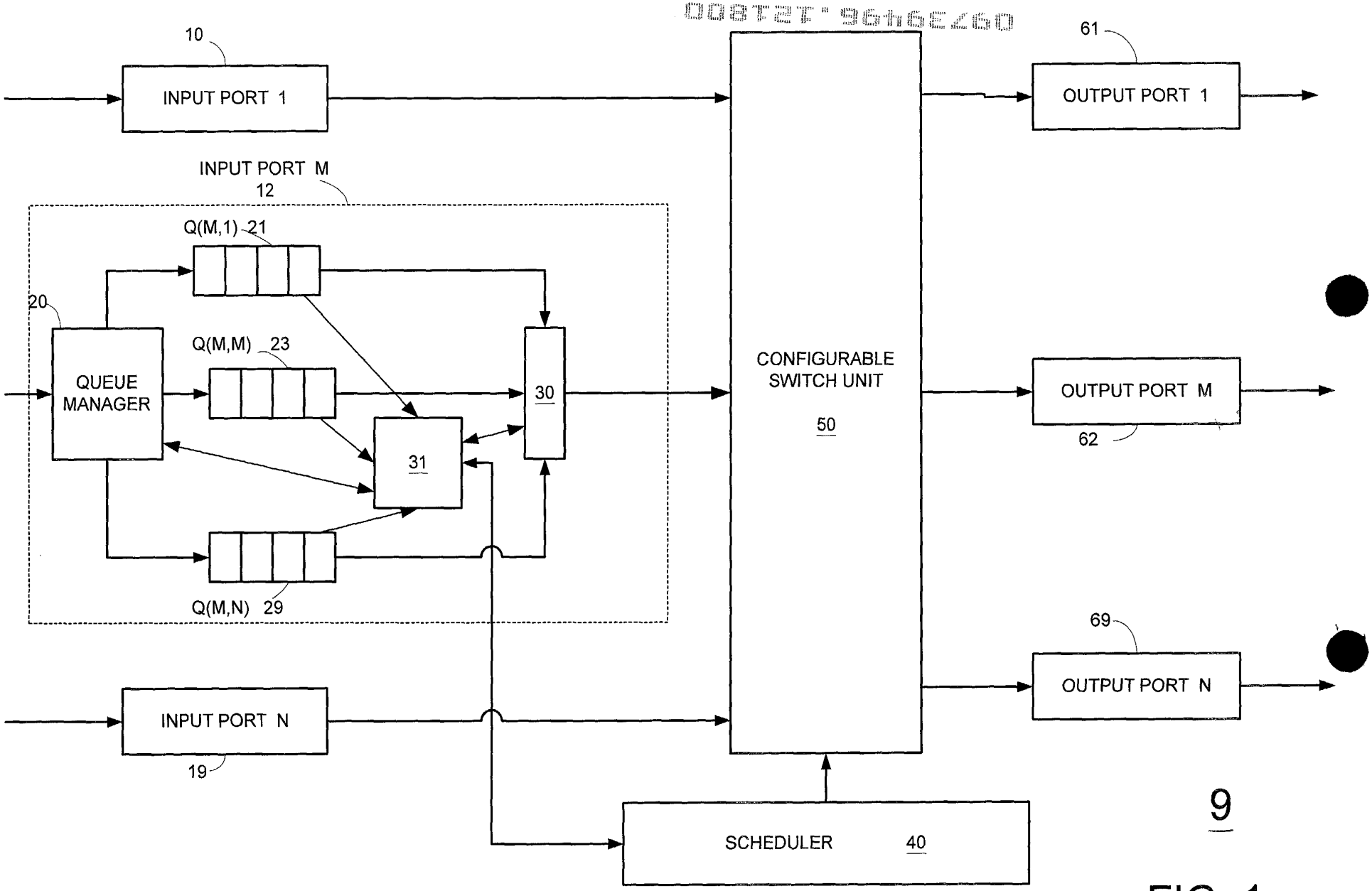
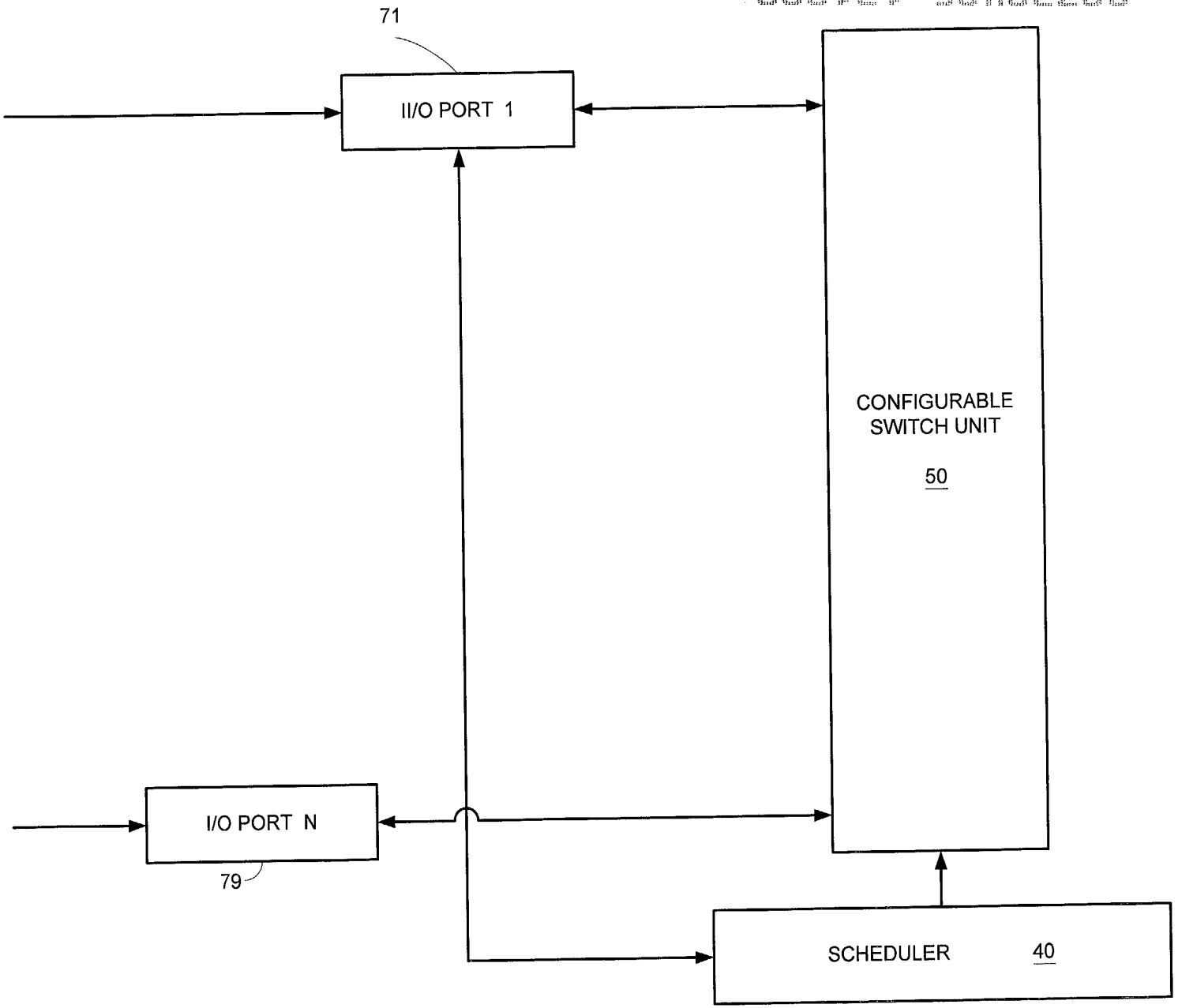

10
INPUT PORT 1
INPUT PORT M
12
Q(M,1) 21
20
QUEUE MANAGER
Q(M,M) 23
30
31
Q(M,N) 29
INPUT PORT N
19
CONFIGURABLE SWITCH UNIT
50
SCHEDULER 40
61
OUTPUT PORT 1
OUTPUT PORT M
62
69
OUTPUT PORT N
9

FIG. 1

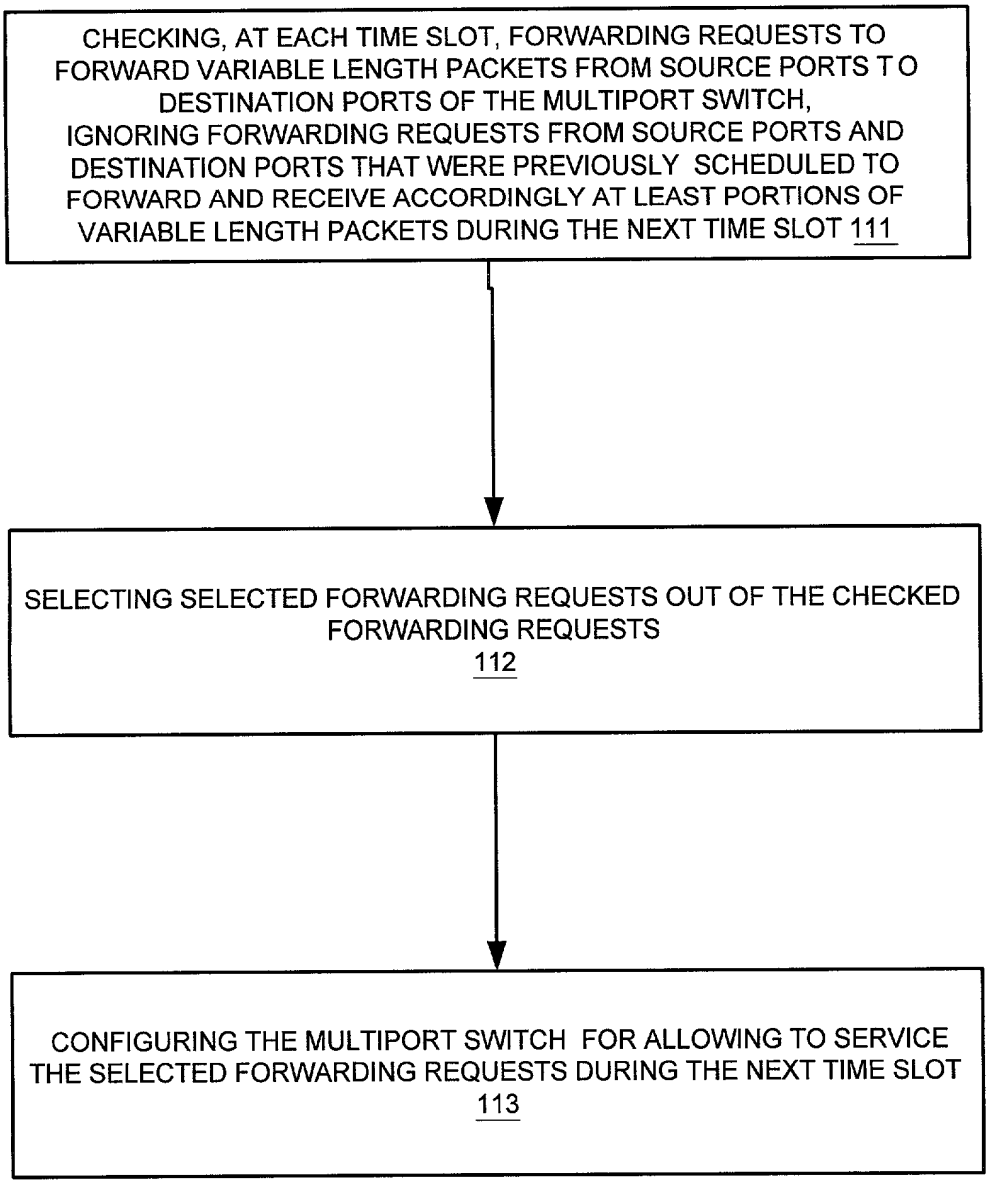
DOCKET 96-1662/60



9'

FIG. 2

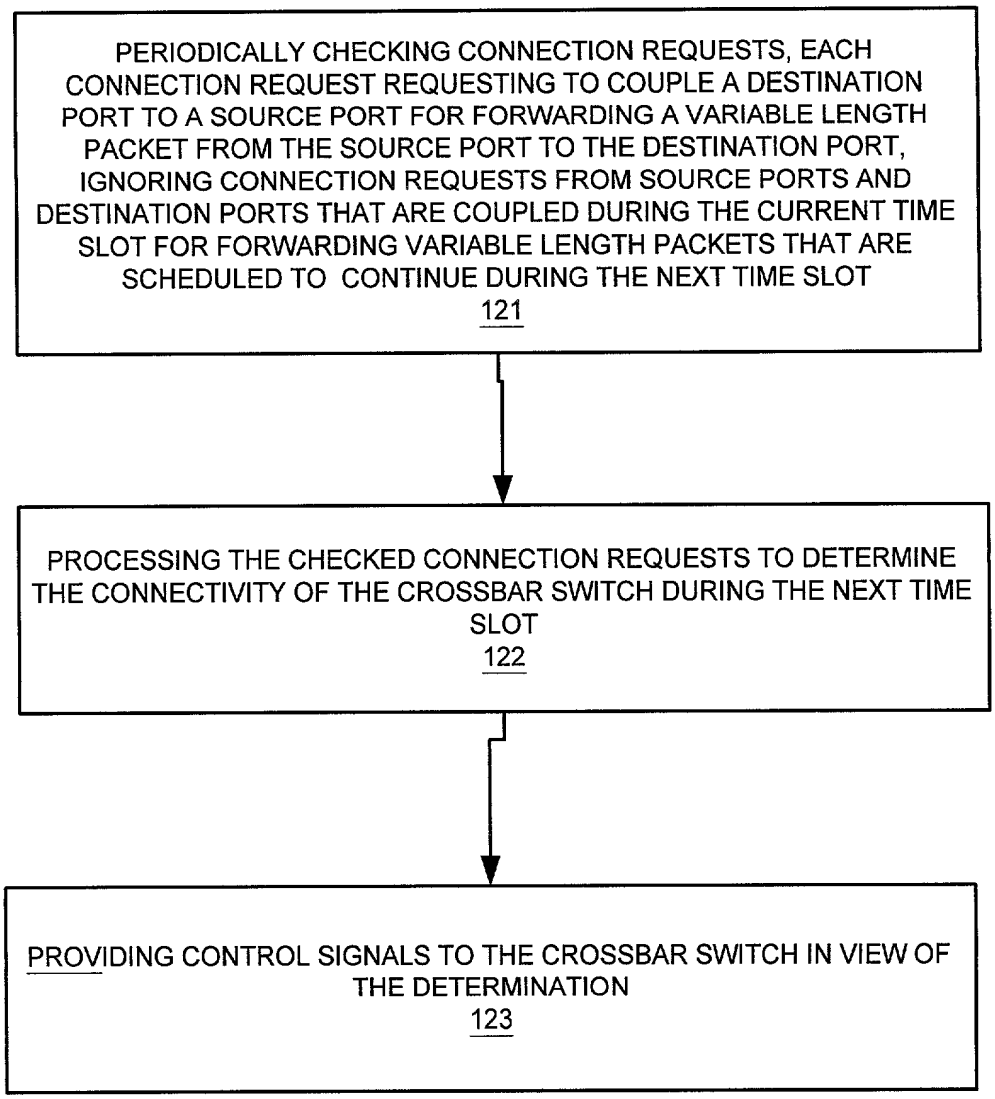
Docket #: 3636-H2



110

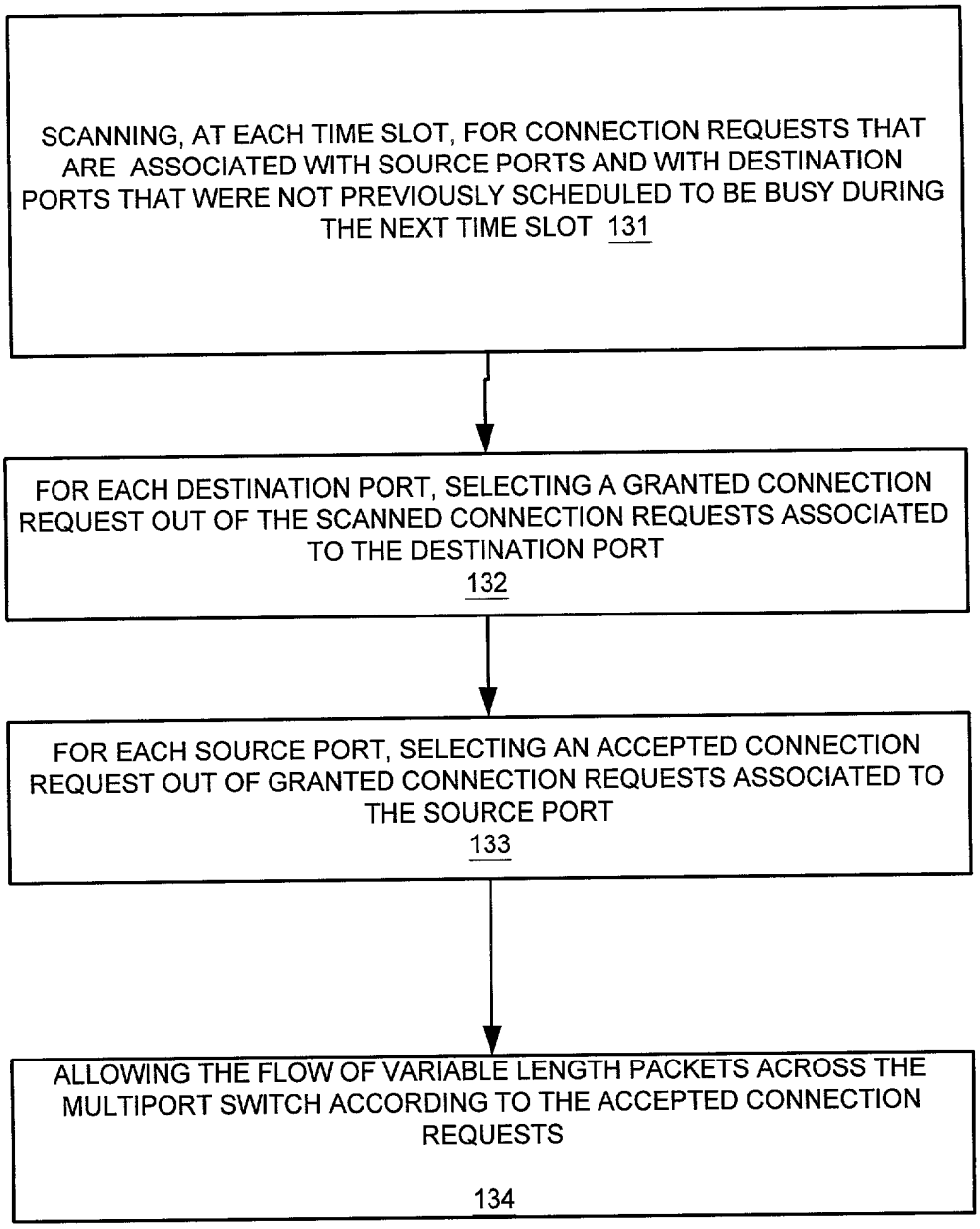
FIG. 3

DOCKET: 96-15-2609



120

FIG. 4


SCANNING, AT EACH TIME SLOT, FOR CONNECTION REQUESTS THAT ARE ASSOCIATED WITH SOURCE PORTS AND WITH DESTINATION PORTS THAT WERE NOT PREVIOUSLY SCHEDULED TO BE BUSY DURING THE NEXT TIME SLOT 131
FOR EACH DESTINATION PORT, SELECTING A GRANTED CONNECTION REQUEST OUT OF THE SCANNED CONNECTION REQUESTS ASSOCIATED TO THE DESTINATION PORT
132
FOR EACH SOURCE PORT, SELECTING AN ACCEPTED CONNECTION REQUEST OUT OF GRANTED CONNECTION REQUESTS ASSOCIATED TO THE SOURCE PORT
133
ALLOWING THE FLOW OF VARIABLE LENGTH PACKETS ACROSS THE MULTIPORT SWITCH ACCORDING TO THE ACCEPTED CONNECTION REQUESTS
134

130

FIG. 5

09/945,860

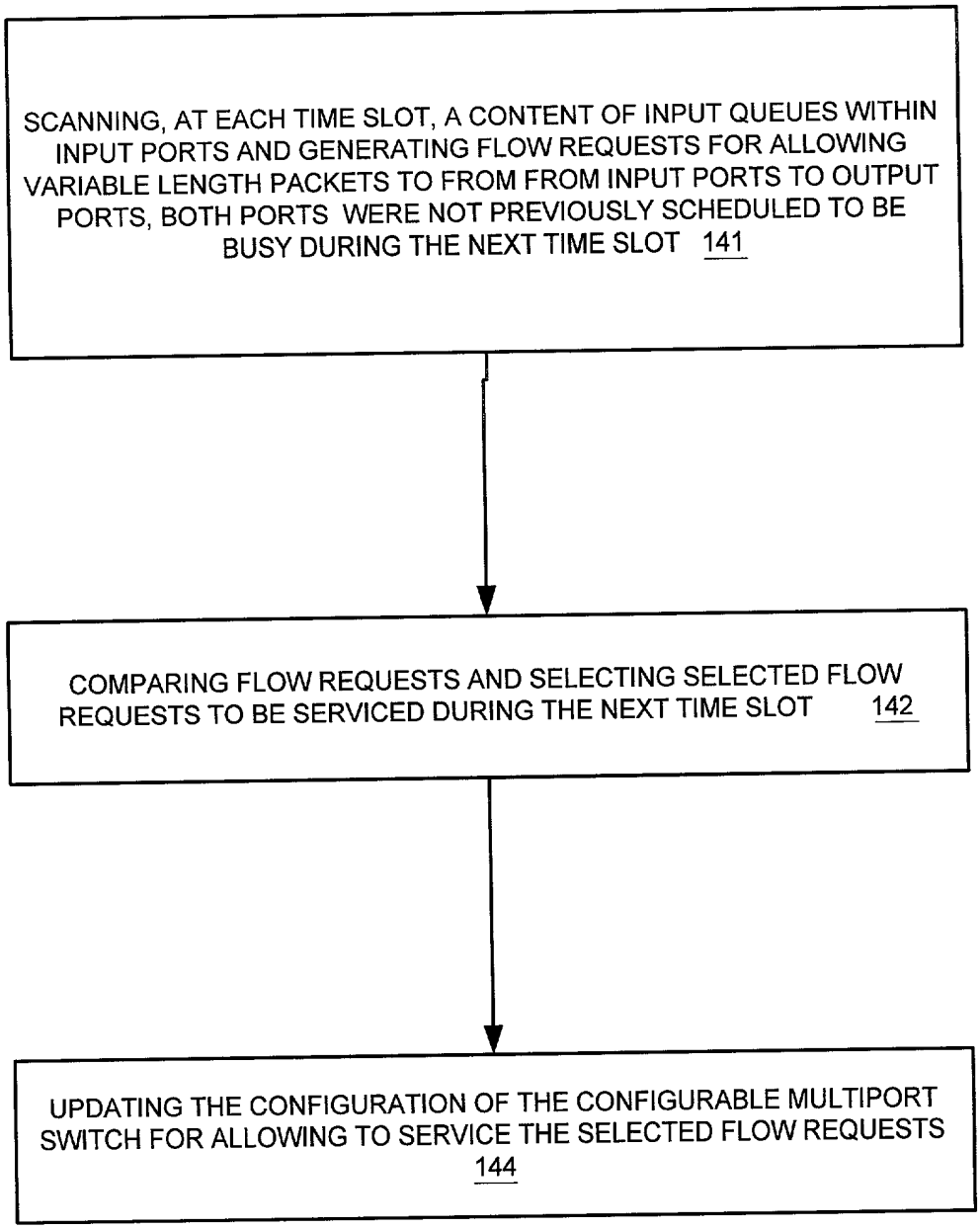


FIG. 6